

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Lung Tran et al.

Confirmation No. 1295

Application No.: 09/963,933

Examiner: J. Mondt

Filing Date: 9/25/01

Group Art Unit: 2826

Title: MAGNETO-RESISTIVE DEVICE INCLUDING SOFT SYNTHETIC FERRIMAGNET
REFERENCE LAYER

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment () Petition to extend time to respond
() New fee as calculated below () Supplemental Declaration
(X) No additional fee (Address envelope to "Box Non-Fee Amendments")
() Other: _____ (fee \$ _____)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$18	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$84	\$ 0
[] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$400.00	3RD MONTH \$920.00	4TH MONTH \$1440.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. ~~A duplicate copy of this sheet is enclosed.~~

Respectfully submitted,

Lung Tran et al.

By

Hugh P. Gortler

Attorney/Agent for Applicant(s)

Reg. No. 33,890

Date: 8/22/02

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: 8/22/02

Typed Name: Hugh P. Gortler

Signature: _____



PATENT
PDNO 10019196-1

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Confirmation No. 1295
Tran et al. :

Serial No. 09/963,933 : Examiner J. Mondt
Filed: September 25, 2001 : Group Art Unit: 2826

For: MAGNETO-RESISTIVE DEVICE INCLUDING SOFT SYNTHETIC
FERRIMAGNET REFERENCE LAYER

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

AMENDMENT

Please cancel claims 13-17, and replace claims 1, 7 and 12 with the following.

1. ~~A~~ magnetic memory device comprising:

a data layer having a magnetization that can be oriented in first and second
directions; and
an unpinned synthetic ferrimagnet reference layer.

7. A magnetic memory device comprising:

a data layer having a magnetization that can be oriented in first and second
directions;
a synthetic ferrimagnet reference layer, the data and reference layers having
different coercivities;
a first conductor on the reference layer;
an electrical insulator on the first conductor; and
a second conductor on the insulator.

12. The device of claim 1, further comprising a ferromagnetic cladding for the
reference layer.